RF2IR2W

RF To IR/RS232 Converter-2Way

Quick Start
Installation Instructions

ATTENTION: Requires the XTR39 to operate.

Welcome!

The RF2IR2W base station is the ultimate Xantech accessory to the Xantech XTR39 Color LCD remote color. It's a receiver that accepts the Radio Frequency output of the XTR39 remote and translate it into IR and RS232 command signals that can control virtually any IR or RS232 electronic device. It can also receive Data Dictionary RS232 commands and transmit them via RF back to the XTR39 allowing for real-time feedback on the XTR39 display for volume feedback and device status.

Specifications

RF Receive Frequency: 2.4GHz
Channel Address: 16
Network Address: 256 (per Channel Address)
IR Blaster Range: 30'
IR Format Support: XIR1 and XIR2/Library
Addressable Emitter Output Ports: 4
Power Requirements: 12Volts DC @ 300mA

RS232 Port Interface: Tx, Rx, and Gnd
RS232 Adapter: DB9 Male to Stereo 3.5mm Plug

Unit Size: 5.0" x 4.75" x 1.0"
Unit Weight: 4.0 oz
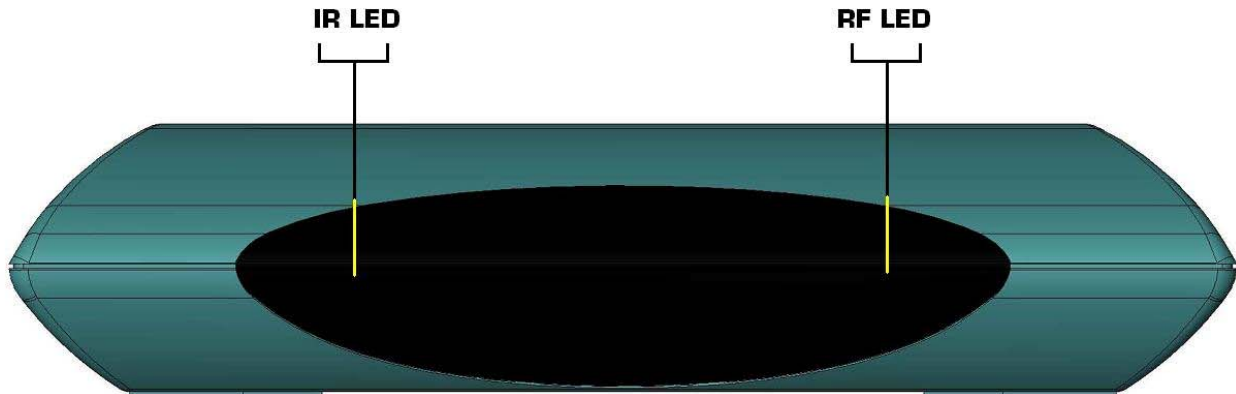Unit Color: Black with silver logo and model
RoHS Compliant

Default Network Address: 1
Default RS232 Settings: 9600 BAUD, 8-DATA, 1-STOP, NO PARITY

RF2IR2W Diagram (Rear)

RS232 Port   (4) Routable IR Emitter Output   Power Supply
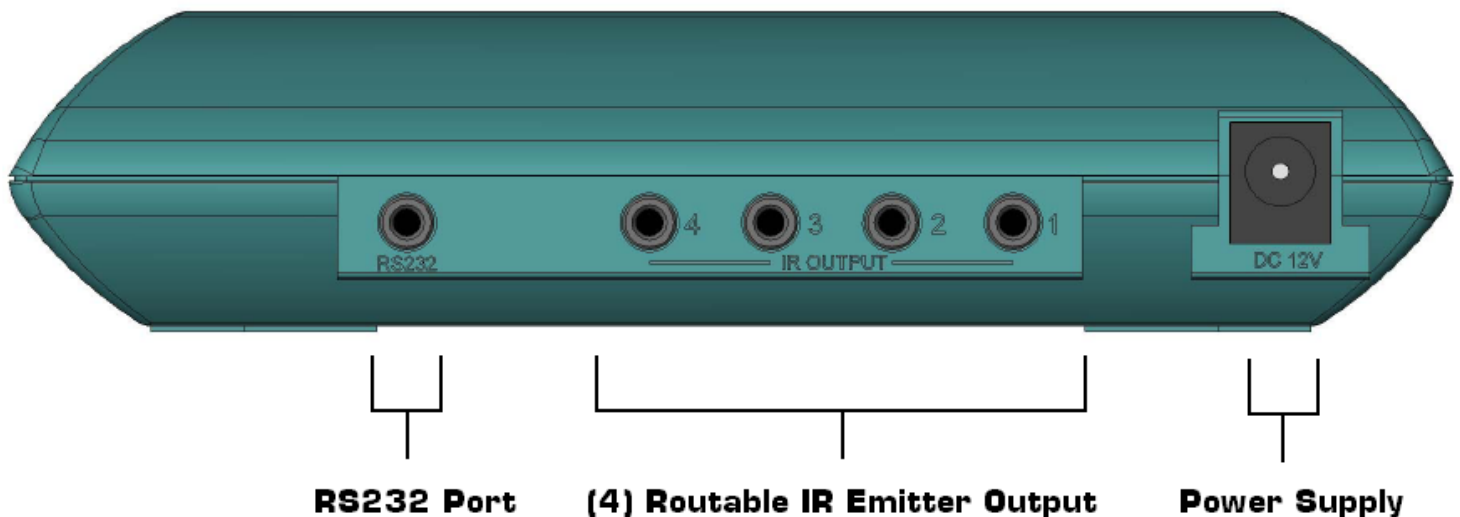
RF2IR2W Diagram (Front)

IR and RF LED behavior:

| IR LED	RF LED	RF2IR2W Action
On	Flash	Emit IR Commands
Flash	Flash	Output RS232 Commands
Off	Flash	Receive RS232 Commands

Quick Start Instructions

Step 1. Plug the (4) 283M emitters (included) into the RF2IR2W. Next, place the 283M emitter head directly over the IR eye on the source component to be controlled.

Step 2. Plug the RS232 Adapter Cable into the RF2IR2W port labeled RS232. Next, connect the DB9 plug to the source component to be controlled. In some instances, a null modem converter may be required. Below is a pin-out of the RS232 Adapter Cable.

Pin 2: Rx
Pin 3: Tx
Pin 5: Gnd
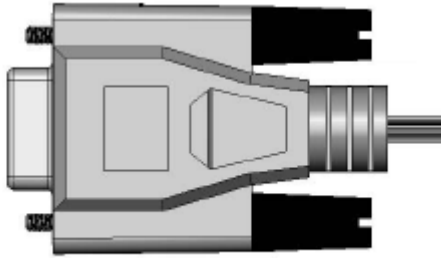
Step 3. Plug the power supply into the RF2IR2W port labeled 12VDC. The IR and RF LED lights will illuminate for 10 seconds. This is part of the start-up sequence. After the LED lights turn 'off', the RF2IR2W is ready to be used.

Step 4. Follow the XTR39 Instructions, RF2IR2W Addendum and follow the steps to setup the XTR39.

Locating the RF2IR2W

Thanks to Xantech's superior antenna design, the RF2IR2W can be placed in several locations.

Key Location Points:
- The RF2IR2W should be placed on a flat, stable surface.
- For optimal performance, the RF2IR2W should be placed at a height greater than 3 feet above the floor. The ideal height should be level to the XTR39 transmitter.
- Avoid placing the RF2IR2W near corners of a room.
- Avoid placing the RF2IR2W next to microwave ovens.
- Using a lower Channel Address will provide the best performance.

Care and Maintenance

Clean the outside of the plastic housing using a soft cloth. Use warm water and mild soap solution. Do not use abrasive cleaners.

Information

FCC NOTICE

* Section 15.19 Labeling requirements
This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference and

(2) This device must accept any interference received, including interference that may cause undesired operation.

* Section 15.21 Information to user
The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

* IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

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